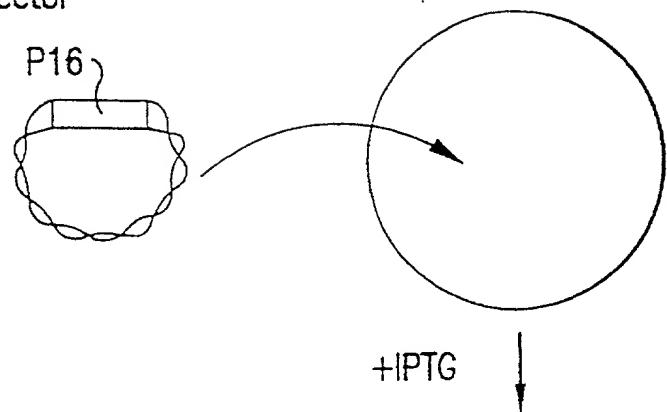
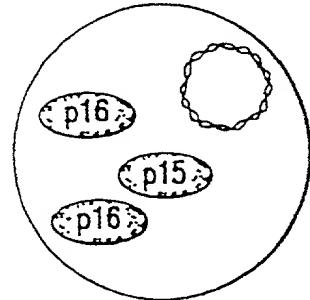


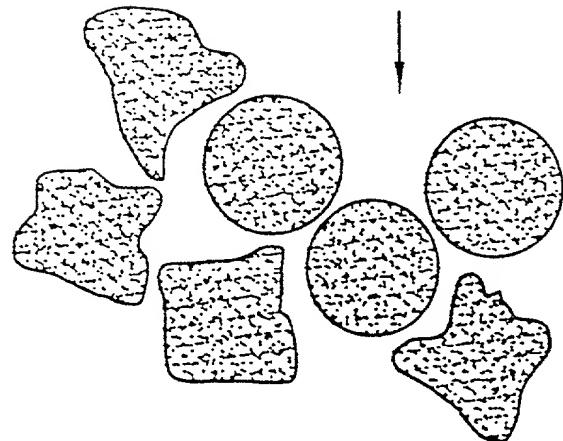
1 Introduce P16 expression vector into cells



2 Induce p16 expression



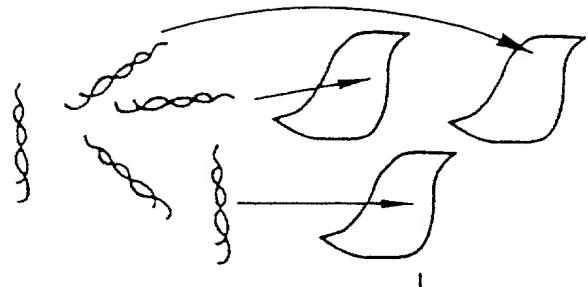
3 Select growth-proficient revertants



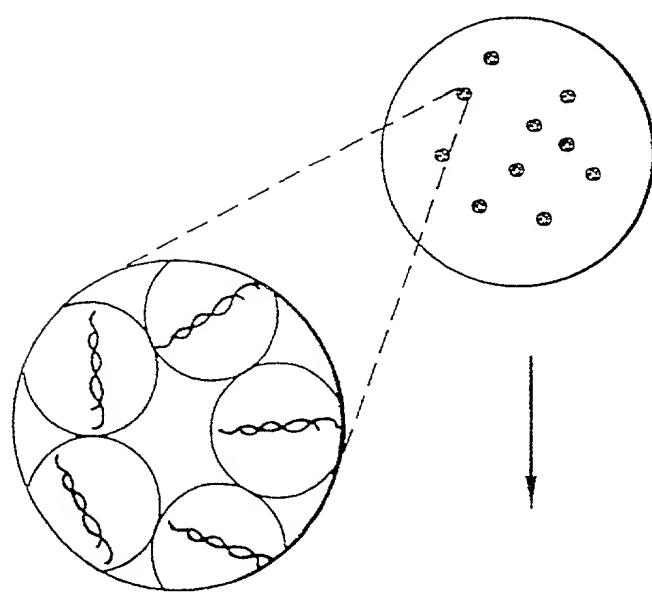
4 Characterize genetic changes

FIG.1

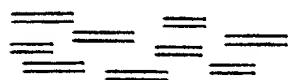
1 Introduce perturbagen library into cells



2 Select growth-proficient revertants



3 PCR amplify resident perturbagens



4 Determine perturbagen DNA sequence

AGGCAACAGCTACC...

FIG.2A

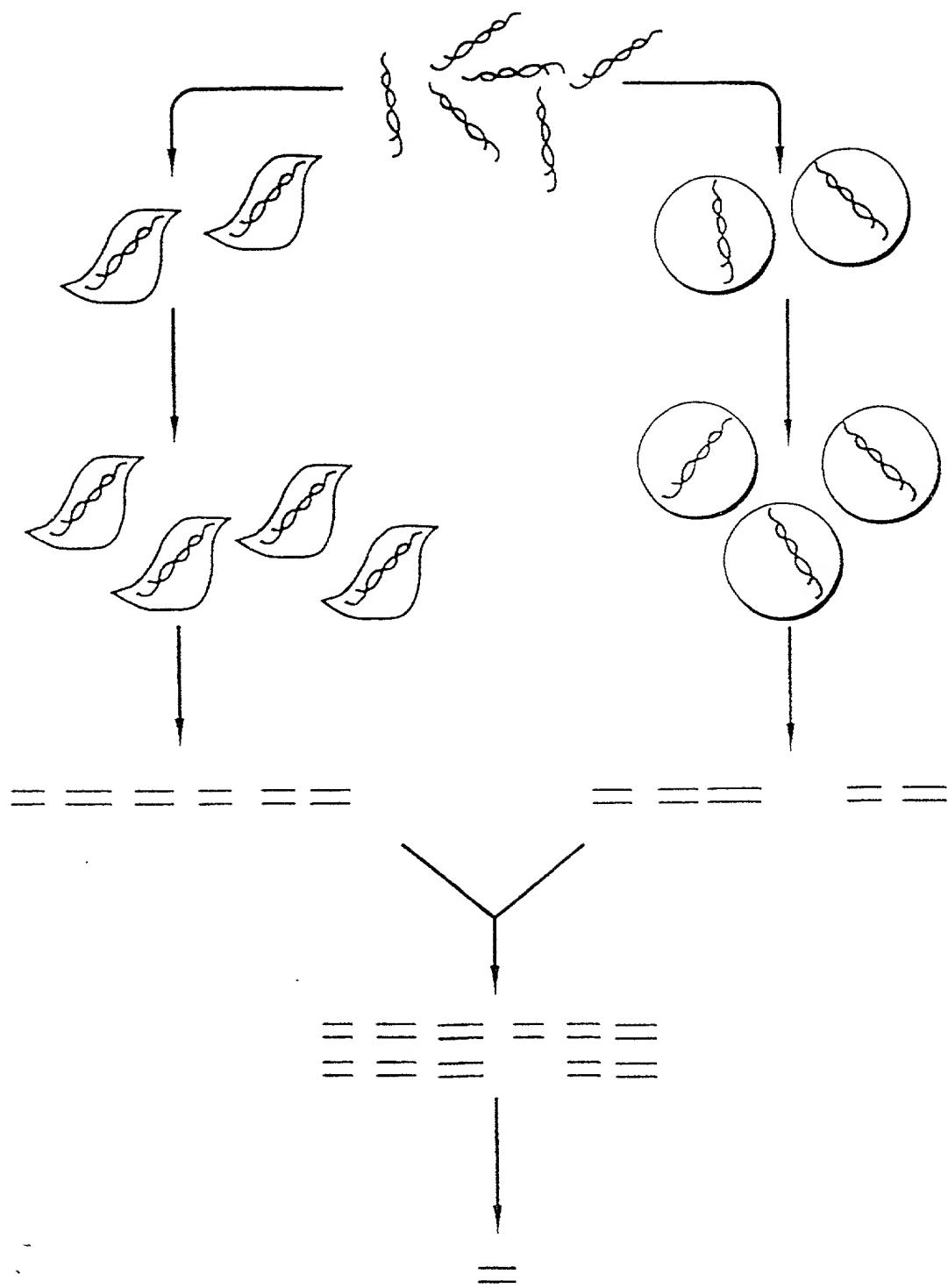


FIG. 2B

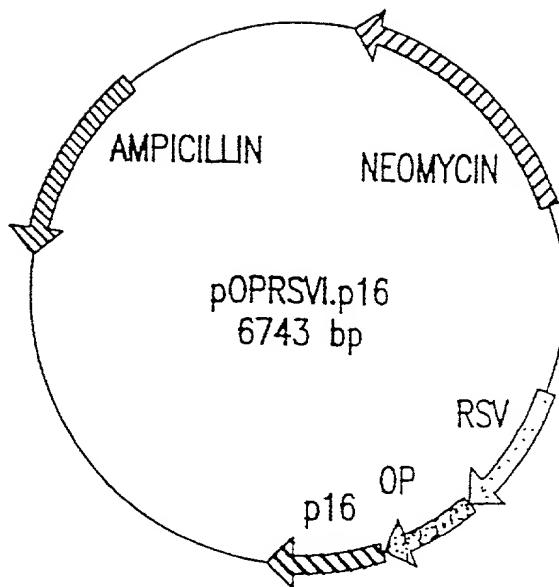


FIG.3A

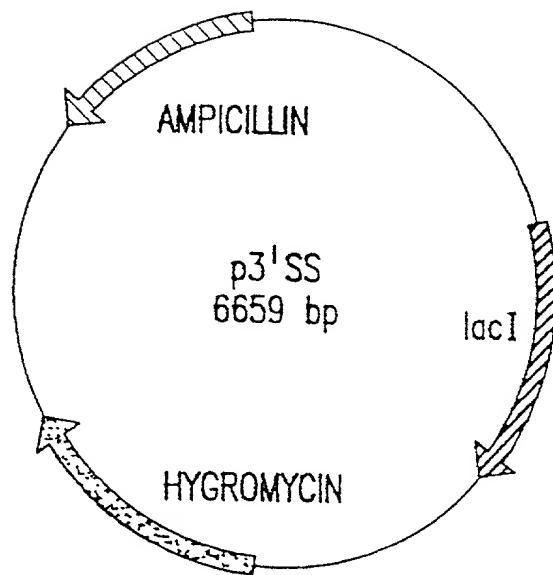


FIG.3B

rev1

2

3

4

5

6

pOP/p16+

pOP

5637 (Rb-)

FIG.4

rev1



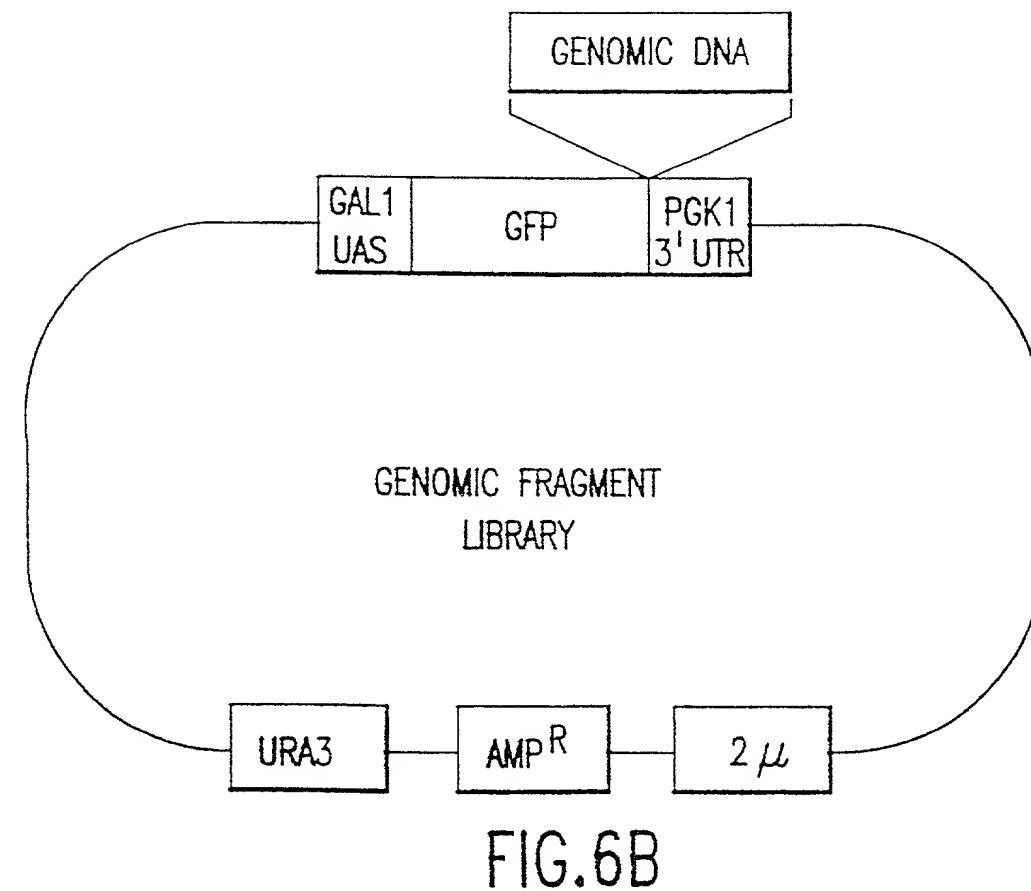
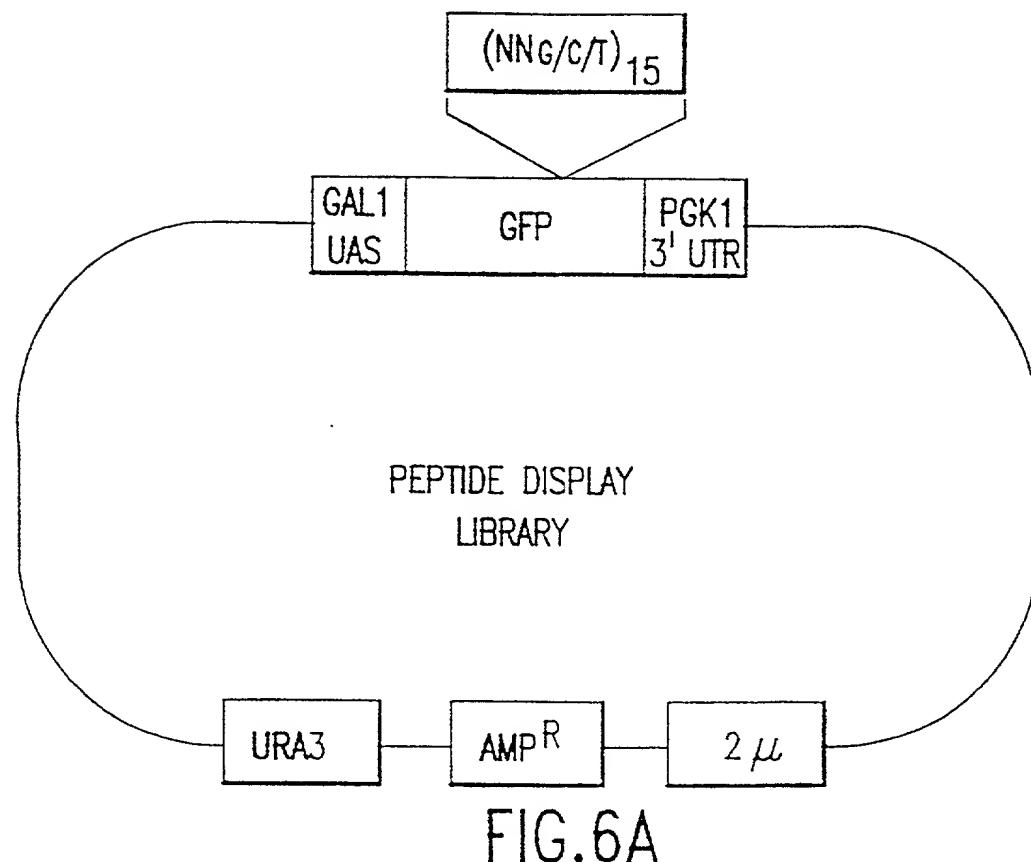
2  
3  
4  
5  
6

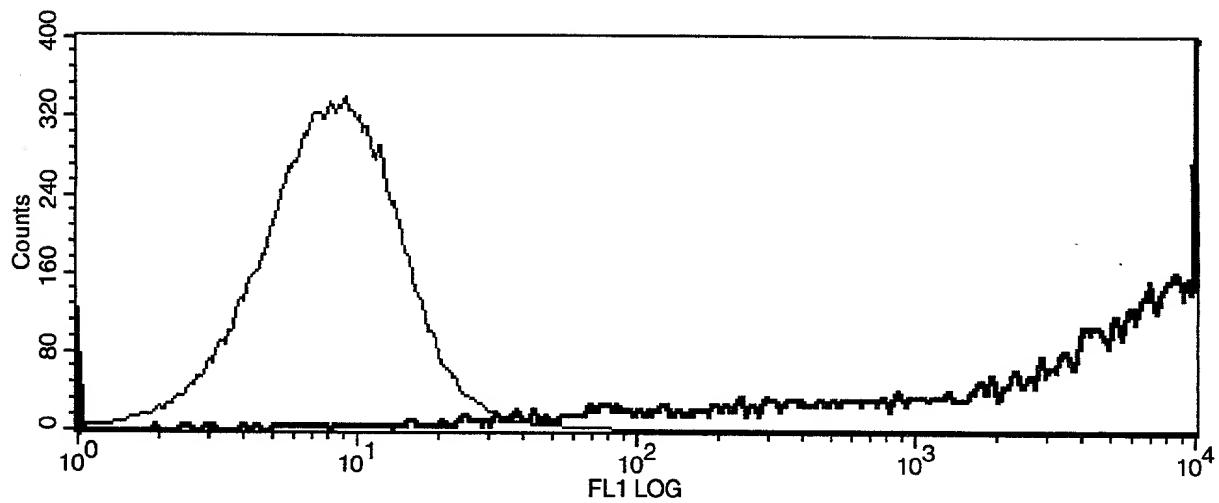
5637 (Rb-)



T24 (Rb+)

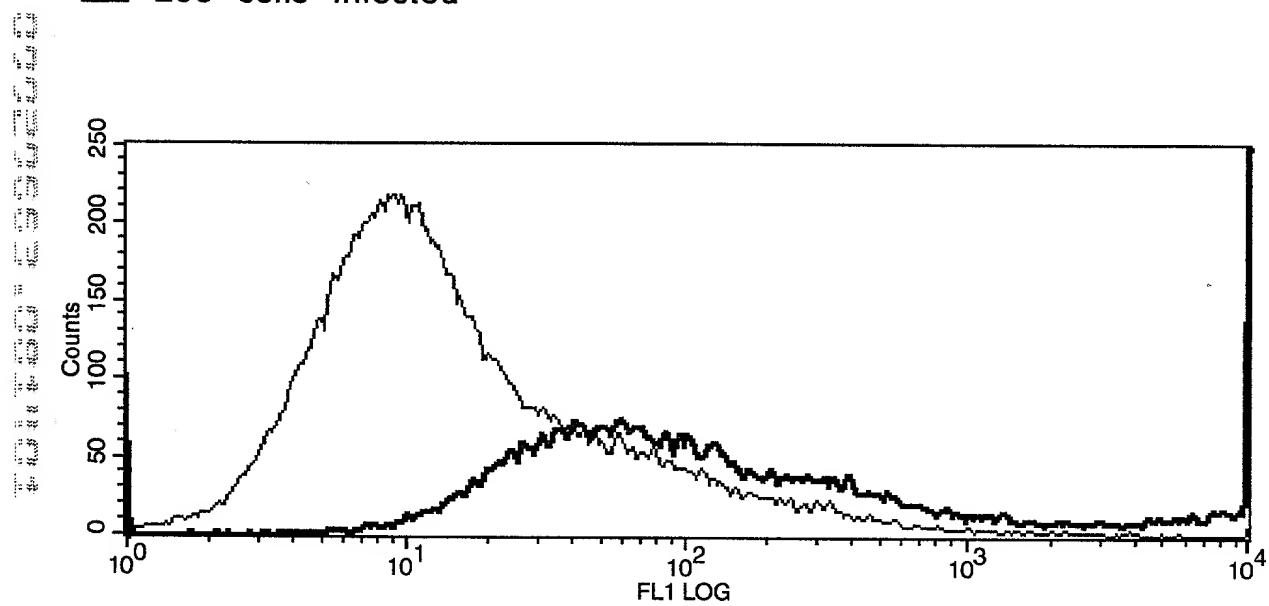
FIG.5





Key

- 293R cells uninfected
- 293 cells infected



Key

- 293R cells infected
- 293R/293 at 1/100 infected

FIGURE 7